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(71)Applicant : SUMITOMO BAKELITE CO LTD

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(72)Inventor : SHINDO TOSHIO

(54) HEAT-RESISTANT, FLEXIBLE AND FLAME-RETARDANT RESIN COMPOSITION OF NON-HALOGEN TYPE AND ITS APPLICATION PRODUCT

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a heat-resistant, flexible and flame-retardant resin composition of a non-halogen type having a superior flame retardance, excellent terminal workability and cutting resistance, good mechanical strengths and processability, intended for covering of a power source cord, an insulated cable and for electric insulation parts.

SOLUTION: In this heat-resistant, flexible and flame-retardant resin composition of a non-halogen type, a metal hydrate in an amount of 50-250 pts.wt. is blended with 100 pts.wt. of a resin component comprising (1) 15-60 wt.% of at least one polymer selected from an ethylene-ethyl acrylate copolymer and an ethylene-methyl methacrylate copolymer, (2) 10-30 wt.% of an ethylene- α -olefin copolymer, (3) 10-40 wt.% of a hydrogenated block copolymer obtained by hydrogenating a block copolymer having at least one polymer block A composed mainly of an aromatic vinyl compound and at least one polymer block B composed mainly of a conjugated diene compound, (4) 5-10 wt.% of polypropylene and (5) 0.5-10 wt.% of a polyolefin resin modified with an unsaturated carboxylic acid.

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